

Mouse Oncostatin M Receptor ELISA Kit | OSMR elisa kit

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CATALOG #
AAA85985

REACTIVITY
Mouse

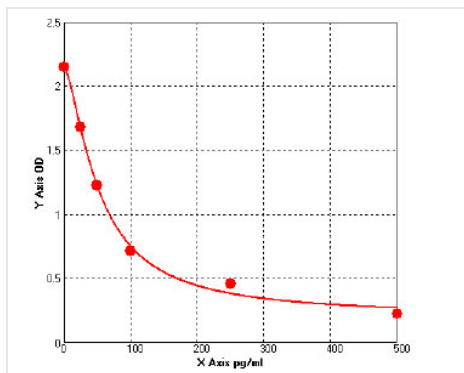
PRODUCT SYNONYMS

Oncostatin M Receptor; Mouse Oncostatin M Receptor ELISA Kit; OSMR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of OSMR. No significant cross-reactivity or interference between OSMR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OSMR and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OSMR elisa kit	Principle of the Assay: OSMR ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-OSMR antibody and an OSMR-HRP conjugate. The assay sample and buffer are incubated together with OSMR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the OSMR concentration since OSMR from samples and OSMR-HRP conjugate compete for the anti-OSMR antibody binding site. Since the number of sites is limited, as more sites are occupied by OSMR from the sample, fewer sites are left to bind OSMR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OSMR concentration in each sample is interpolated from this standard curve. Intended Uses: This OSMR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse OSMR. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for OSMR elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	115529091
NCBI GeneID	9180
Molecular Weight	39,504 Da
NCBI Official Full Name	Oncostatin M receptor
NCBI Official Synonym Full Names	oncostatin M receptor
NCBI Official Symbol	OSMR
NCBI Official Synonym Symbols	OSMRB; PLCA1
NCBI Protein Information	oncostatin-M-specific receptor subunit beta; IL-31RB; IL-31R-beta; IL-31R subunit beta; IL-31 receptor subunit beta; interleukin-31 receptor subunit beta; oncostatin-M specific receptor beta subunit
UniProt Protein Name	Oncostatin-M-specific receptor subunit beta
UniProt Gene Name	OSMR
UniProt Synonym Gene Names	OSMRB; IL-31 receptor subunit beta; IL-31R subunit beta; IL-31R-beta; IL-31RB
UniProt Entry Name	OSMR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.